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Title: CN1289052A: FUEL CELL UNIT VOLTAGE MEASURING METHOD

Country: CN China

Kind: A Unexamined APPLIC. open to Public inspection¹

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IPC Code: G01R 31/36;

ECLA Code: None

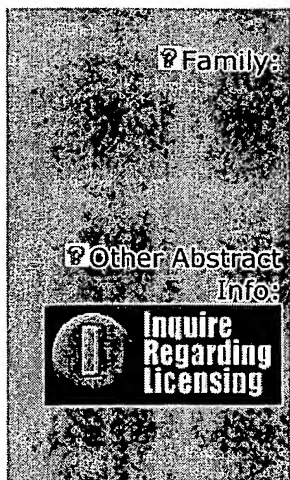
Priority Number: 1999-09-22 CN1999099120198

Abstract:



The method for measuring voltage of single cell of fuel-cell is characterized by that several series-connected single-cells are grouped, two ends of every single-cell are connected with differential linear isolation amplifier, every group is independently power-supplied, and they are connected in the non-common earth mode, and their outputs are isolated and parallel common earth mode. The described differential linear isolation amplifier is formed from two-stage amplifier, capacitor C and resistors of R1-R7, its first amplifier is differential amplifier F1, its input end is connected with a group of single cells, second amplifier is linear isolation amplifier formed from negative feedback amplifier F2 and isolator F3, the secondary output end of photoelectric coupler V02 of isolator F3 is connected with independent power supply. Said invention possesses transmission measurement function of several series-connected single-cells, and possesses the advantages of common earth parallel output and anti-interference.

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None



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